

Safety Data Sheet – Pit fill Resin

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1: Identification of the mixture and of the company

Product: Pit fill Resin

Product Identification Number: UV5SF

Relevant identified uses of the substance.

Automotive.

Details of the supplier of the substance or mixture

Address: Esprit Windscreen Systems LLP 44 Winpenny Road, Parkhouse East Industrial Estate Newcastle under Lyme Staffordshire ST5 7RH.

E Mail: sales@espritws.com

Emergency telephone number +44 (0)1782 565811

2: Hazard identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS07

Warning

Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Hazard designation:



Xi Irritant

R 36/37/38 Irritating to eyes, respiratory system and skin.



Xi; Sensitising

R43 May cause sensitisation by skin contact.



Dangerous for the environment

Information pertaining to particular dangers for man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07, GHS09

Signal word Warning

Hazard-determining components of labelling: 2-hydroxyethyl methacrylate Isobornylacrylat

Hazard statements

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see on this label).
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

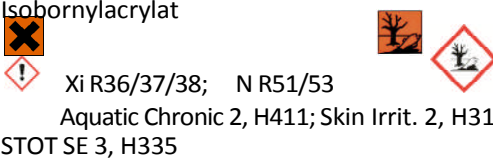
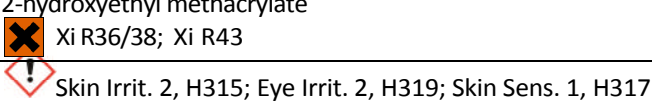
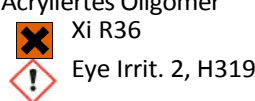
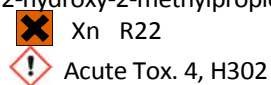
Disposal:

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3: Composition / information on ingredients

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with harmless additions.

· Dangerous components:		
CAS: 5888-33-5 EINECS: 227-561-6	Isobornylacrylat  Xi R36/37/38; N R51/53 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 868-77-9 EINECS: 212-782-2	2-hydroxyethyl methacrylate  Xi R36/38; Xi R43 Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25-50%
	Acryliertes Oligomer  Xi R36 Eye Irrit. 2, H319	10-25%
CAS: 7473-98-5 EINECS: 231-272-0	2-hydroxy-2-methylpropiophenone  Xn R22 Acute Tox. 4, H302	< 2.5%

Additional information: For the wording of the listed risk phrases refer to section 16.

4: First aid measures

General information Instantly remove any clothing soiled by the product.

After inhalation

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact Instantly wash with water and soap and rinse thoroughly.

After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing In case of persistent symptoms consult doctor.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5: Fire fighting measures

Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

Special hazards arising from the substance or mixture

Formation of poisonous gases during heating or in fires.

Advice for firefighters

Protective equipment: Do not inhale explosion gases or combustion gases.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation
Wear protective clothing.

Environmental precautions:

Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7: Handling & storage

Handling

Precautions for safe handling

Store in cool, dry place in tightly closed containers.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires: Protect from heat.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: Store in cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Storage Class 10

Specific end use(s) No further relevant information available.

8: Exposure controls – Personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Breathing equipment:

Not necessary if room is well-ventilated.

Use breathing protection in case of insufficient ventilation.

Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

We recommend Dermatril 743 or High Risk Comfort from Safe Medex

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Value for the permeation: Level < 6

For the recommended gloves. Other products have to be tested if necessary

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.

9: Physical & Chemical properties

·Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Fluid
Colour:	Clear
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	> 100 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	370 °C

Decomposition temperature:	Not determined.
Self-inflammability:	Product is not self-igniting.
Danger of explosion:	Product is not explosive.
Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density at 20 °C	1.1 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix
Partition coefficient (n-octanol/water): Not determined.	

Viscosity:	
dynamic at 20 °C:	1000 mPas
kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
Water:	0.0 %
VOC (EU)	0.00 %
Other information	No further relevant information is available

10: Stability & reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11: Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

5888-33-5 Isobornylacrylat

Oral LD50 4350 mg/kg (rat) (see ECHA data)

Dermal LD50 >3000mg/kg (Rabbit) (See ECHA data)

7473-98-5 2-hydroxy-2-methylpropiophenone

Oral LD50 1694 mg/kg (rat)

Dermal LD50 6929mg/kg (Rat) (OECD-Richtlinie 402)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritant effect.

Sensitization: Sensitization possible by skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12: Ecological information

Toxicity

Aquatic Toxicity

7473-98-5 2-hydroxy-2-methylpropiophenone

EC50/48h (Static) >119mg/l (diaphnia) (OECD Richtlinie 202, teil 1)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Danger to drinking water even if small quantities leak into the soil.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13: Disposal

Product: Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Waste disposal key number: European waste catalogue

08 00 00 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (Paints, Varnishes, and Vitreous Enamels) Adhesives, Sealants and Printing Inks

08 04 00 Wastes from MFSU of adhesives and sealants other than those mentioned in 08 04 09

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14: Transportation

UN-Number

ADR IMDG IATA

3082

UN proper shipping name

ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornylacrylat, 2-hydroxy-2-methylpropiophenone)

IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornylacrylat, 2-hydroxy-2-methylpropiophenone),

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Isobornylacrylat, 2-hydroxy-2-methylpropiophenone),

Transport hazard class(es)



ADR, IMDG, IATA

Class

9 Miscellaneous dangerous substances and articles.

Label

9

Packing group

ADR, IMDG, IATA

III

Environmental hazards:	Product contains environmentally hazardous substances Isobornylacrylat
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances and articles.
Kemler Number:	90
EMS Number:	F-A,S-F
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted Quantities(EQ)	Code E1 Maximum net quantity per inner packaging 30ml Maximum net packaging per outer packaging 1000ml
Transport category	3
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	5L
Excepted Quantities(EQ)	Code E1 Maximum net quantity per inner packaging 30ml Maximum net packaging per outer packaging 1000ml
UN "Model Regulation":	UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isobornylacrylat, 2-hydroxy-2-methylpropiophenone), 9, III

15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms GHS07, GHS09

Signal word Warning

Hazard-determining components of labelling:

2-hydroxyethyl methacrylate

Isobornylacrylat

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R 3	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing data specification sheet: Environment protection department.

Contact: Sales office

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) LC50:

Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation – skin, Hazard Category 1

STOT SE 3: Specific Target Organ Toxicity – single exposure Hazard Category 3

Aquatic Chronic 2: Hazardous to the aquatic environment – Chronic Hazard Category 2

* Data compared to the previous version altered.

Disclaimer

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End of Safety Data Sheet